


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER NBU 920-13H		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT NATURAL BUTTES		
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES		
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.				7. OPERATOR PHONE 720 929-6587		
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217				9. OPERATOR E-MAIL mary.mondragon@anadarko.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-0579		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1786 FNL 658 FEL	SENE	13	9.0 S	20.0 E	S
Top of Uppermost Producing Zone	1786 FNL 658 FEL	SENE	13	9.0 S	20.0 E	S
At Total Depth	1786 FNL 658 FEL	SENE	13	9.0 S	20.0 E	S
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 658		23. NUMBER OF ACRES IN DRILLING UNIT 1920		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1000		26. PROPOSED DEPTH MD: 10600 TVD:		
27. ELEVATION - GROUND LEVEL 4791		28. BOND NUMBER WYB000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496		

ATTACHMENTS**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP
NAME Kevin McIntyre	TITLE Regulatory Analyst I
SIGNATURE	DATE 09/25/2008
API NUMBER ASSIGNED 43047501500000	PHONE 720 929-6226
APPROVAL	EMAIL Kevin.McIntyre@anadarko.com
 Permit Manager	

T9S, R20E, S.L.B.&M.Found 1968
Brass Cap.
Pile of Stones.S88°53'W 40.48 (G.L.O.)
S88°55'40"W - 2670.83' (Meas.)S88°55'W 39.58 (G.L.O.)
S88°55'55"W - 2612.51' (Meas.)Found 1968
Brass Cap.
Pile of Stones.N0°04'W 80.24 (G.L.O.)
N00°02'35"W - 2648.71' (Meas.)Found 1968
Brass Cap.
Pile of Stones.Found 1968
Brass Cap.
Pile of Stones.**13****WELL LOCATION:
NBU 920-13H**ELEV. UNGRADED GROUND = 4790.6'

NBU 920-13H (Proposed Well Head)

NAD 83 LATITUDE = 40.03797° (40° 02' 16.70")

LONGITUDE = 109.60814° (109° 36' 29.30")

NAD 27 LATITUDE = 40.03801° (40° 02' 16.83")

LONGITUDE = 109.60745° (109° 36' 26.81")

Found 1968
Brass Cap.
Pile of Stones.S88°26'W 81.58 (G.L.O.)
S88°26'58"W - 2692.14' (Meas.)N01°03'42"W (Basis of Bearings)
2562.34' (Measured)
N1°04'W 38.88 (G.L.O.)
N01°10'09"W - 2690.10' (Meas.)
N1°09'W 40.76 (G.L.O.)Found 1968
Brass Cap.
Pile of Stones.**NOTES:**

- ▲ = Section Corners Located
- Well footages are measured at right angles to the Section Lines.
 - G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
 - Bearings are based on Global Positioning Satellite observations.
 - Basis of elevation is the Northwest Corner of Section 12, T9S, R20E, S.L.B.&M. The elevation of this Section Corner is shown on the Ouray SE 7.5 Min. Quadrangle as being 4676'.

**SCALE****SURVEYOR'S CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 6028691
STATE OF UTAH

No. 6028691
JOHN SLAUGH
SURVEYOR

**Kerr-McGee
Oil & Gas Onshore, LP**

1099 18th Street - Denver, Colorado 80202

NBU 920-13H
WELL PLAT
1786' FNL, 658' FEL

SE $\frac{1}{4}$ NE $\frac{1}{4}$ OF SECTION 13, T9S, R20E,
S.L.B.&M. UTAH COUNTY, UTAH.



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.

38 WEST 100 NORTH - VERNAL, UTAH 84078

DATE SURVEYED:
7-25-08

SURVEYED BY: B.J.S.

SHEET

DATE DRAWN:
7-31-08

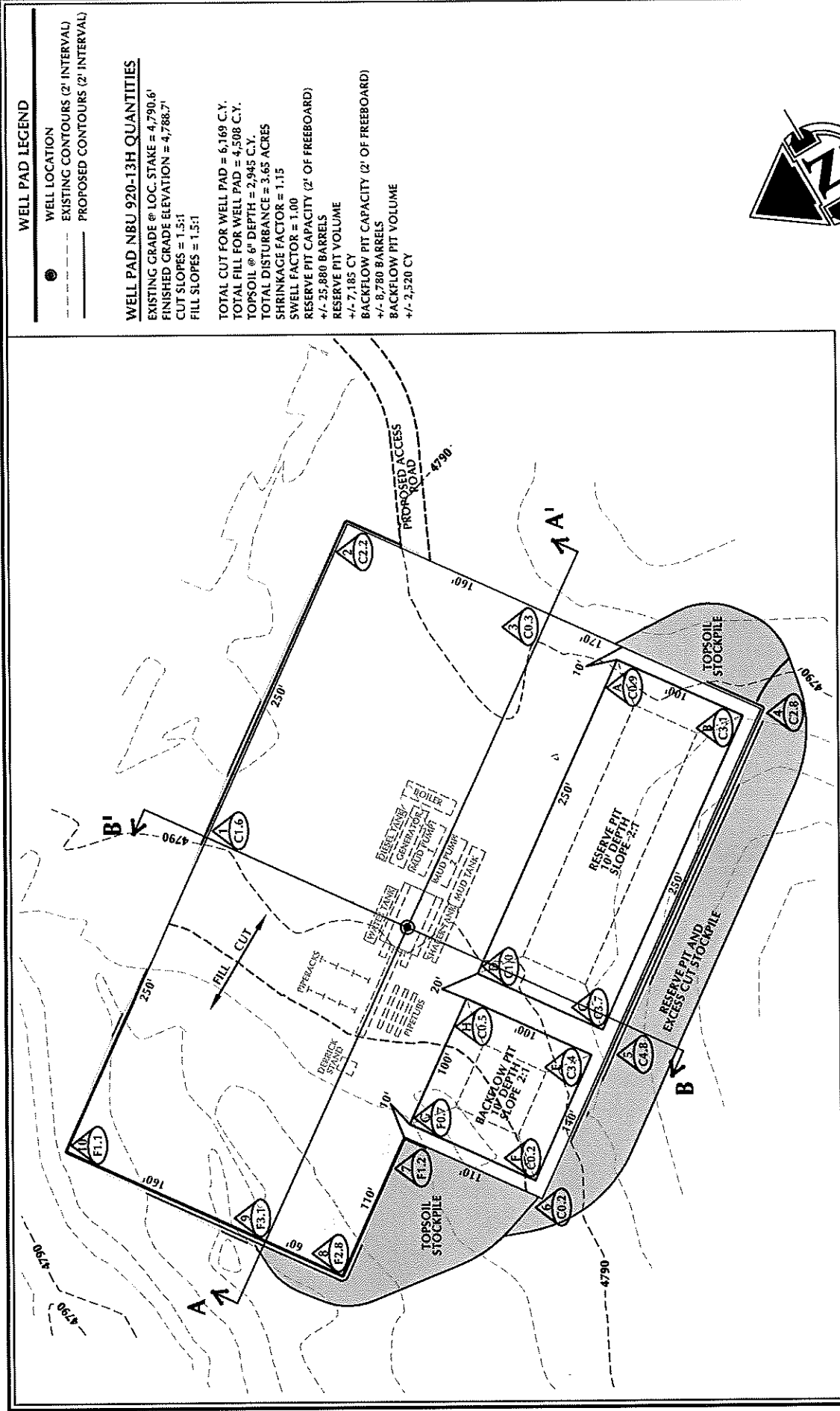
DRAWN BY: M.W.W.

1

SCALE: 1" = 1000'

Date Last Revised:

OF 9

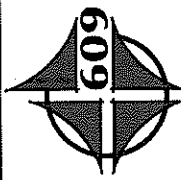


- WELL PAD LEGEND**
- WELL LOCATION
 - - - EXISTING CONTOURS (2' INTERVAL)
 - - - PROPOSED CONTOURS (2' INTERVAL)

WELL PAD NBU 920-13H QUANTITIES

EXISTING GRADE @ LOC. STAKE = 4,790.6'
FINISHED GRADE ELEVATION = 4,788.7'
CUT SLOPES = 1.5:1
FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 6,169 C.Y.
TOTAL FILL FOR WELL PAD = 4,508 C.Y.
TOPSOIL @ 6" DEPTH = 2,945 C.Y.
TOTAL DISTURBANCE = 3.65 ACRES
SHRINKAGE FACTOR = 1.15
SWELL FACTOR = 1.00
RESERVE PIT CAPACITY (2' OF FREEBOARD)
+/- 25,880 BARRELS
RESERVE PIT VOLUME
+/- 7,185 CY
BACKFLOW PIT CAPACITY (2' OF FREEBOARD)
+/- 8,780 BARRELS
BACKFLOW PIT VOLUME
+/- 2,520 CY



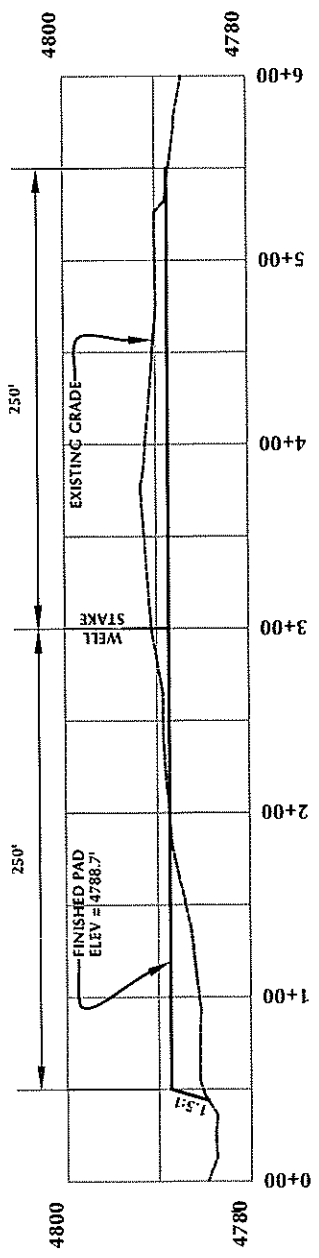
**KERR-MCGEE OIL & GAS
ONSHORE L.P.**
1099 18th Street - Denver, Colorado 80202

**NBU 920-13H
WELL PAD - LOCATION LAYOUT
1786' FNL, 658' FEL
SE1/4NE1/4, SECTION 13, T.9S., R.20E.
S.L.B.&M., UINTAH COUNTY, UTAH**

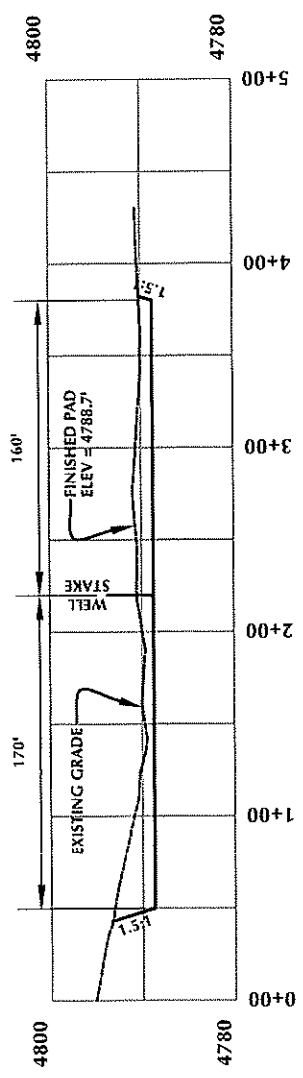
CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

Scale: 1"=100'	Date: 8/15/08	SHEET NO:
REVISD:	BY	2
	DATE	2 OF 9

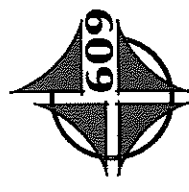
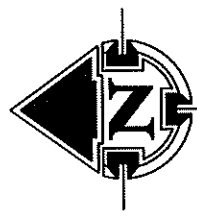
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CROSS SECTION A-A'



CROSS SECTION B-B'



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ONSHORE L.P.
1099 18th Street - Denver, Colorado 80202

NBU 920-13H
WELL PAD - CROSS SECTIONS
1786' FNL, 658' FEL
SE1/4NE1/4, SECTION 13, T.9S., R.20E.
S.L.B.&M., UINTAH COUNTY, UTAH

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371 Coffeen Avenue
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	DATE	3 OF 9

Timberline
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3B WEST 100 NORTH
VERNAL, UTAH 84078

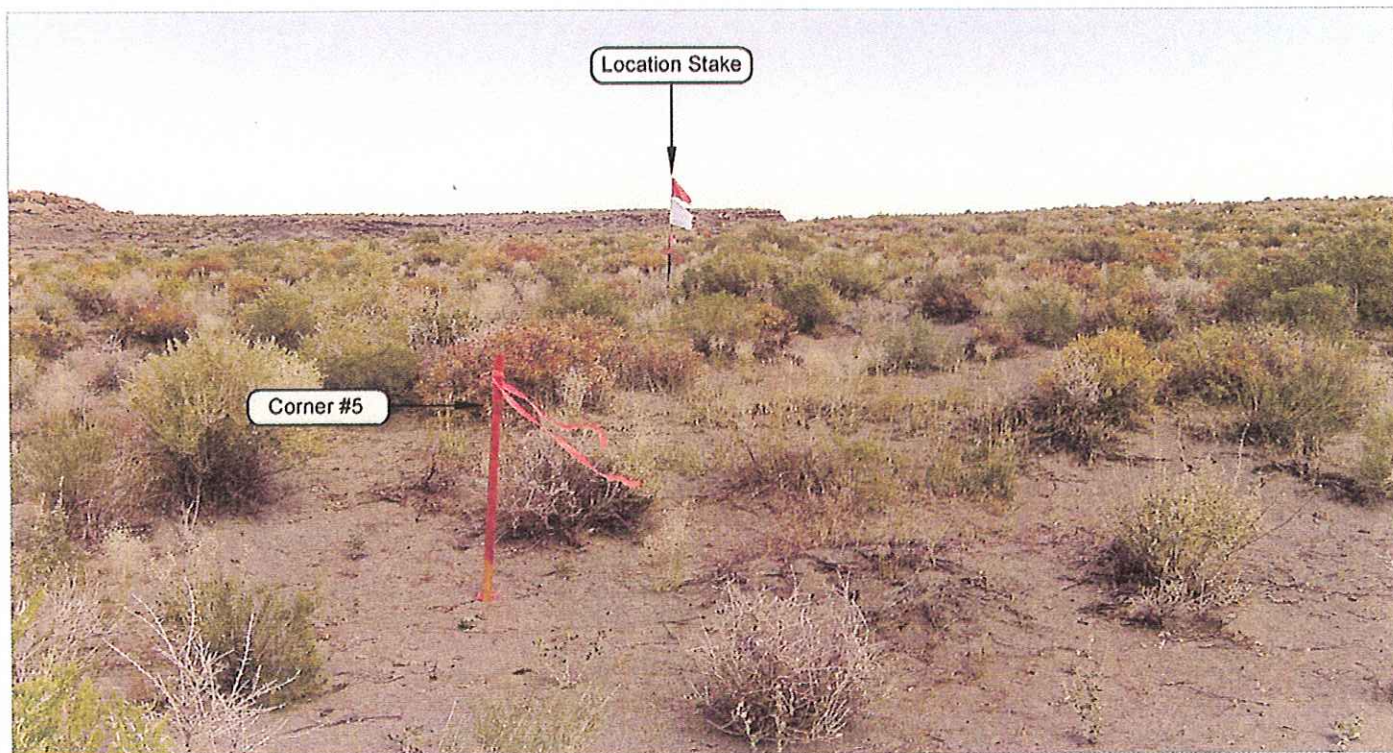


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: SOUTHWESTERLY

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Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

NBU 920-13H
 1786' FNL, 658' FEL
 SE $\frac{1}{4}$ NE $\frac{1}{4}$ OF SECTION 13, T9S, R20E,
 S.L.B.&M. UTAH COUNTY, UTAH.



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LOCATION PHOTOS

TAKEN BY: B.J.S.

DRAWN BY: M.W.W.

REVISED:

DATE TAKEN: 07-25-08

DATE DRAWN: 07-31-08

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OF 9

Kerr-McGee Oil & Gas Onshore, LP
NBU 920-13H
Section 13, T9S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 16.8 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 5.3 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE EAST. EXIT LEFT AND PROCEED IN A NORTHEASTERLY THEN SOUTHEASTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 4.5 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE NORTH. EXIT LEFT AND PROCEED IN A NORTHERLY THEN NORTHWESTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 1.6 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 200 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 42.1 MILES IN A SOUTHERLY DIRECTION.